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MAIL STOP PATENT APPLICATION  
COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450

**Express Mail No.:** EL 603010811 US  
**Attorney Docket No.:** 2001180-0075  
(HU 1917-01 CIP)

**Date Filed:** July 17, 2003

## CERTIFICATE OF MAILING

"Express Mail" mailing label number EL 603010811 US  
Date of Deposit: July 17, 2003

I hereby certify that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office to Address" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

*Kathy Hart Gagnon*

Signature

Kathy Hart Gagnon

Typed Name

## UTILITY PATENT APPLICATION TRANSMITTAL

(for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Dear Sir:

Please find enclosed a patent application and papers as follows for:

### Inventor(s):

Given Name (first and middle)	Family Name or Surname	Residence
Stuart L.	Schreiber	Boston MA
Scott M.	Sternson	New York, NY
Jason C.	Wong	Cambridge, MA
Christina M.	Grozinger	Urbana, IL
Stephen J.	Haggarty	Cambridge, MA
Kathryn M.	Koeller	Seattle, WA

Title of the Invention **DIOXANES AND USES THEREOF**

Express Mail No.: EL 603010811 US  
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Attorney Docket: 2001180-0075  
Client Reference No.: HU 1917-01 CIP

A) APPLICATION ELEMENTS:

1) ☐ **Fee Transmittal Form** (original and duplicate submitted for fee processing)

2) **Applicant Claims Small Entity Status** (see 37 CFR §1.27)

a) ☐ Statement Verifying Small Entity Status

3) ☒ **Specification**

TOTAL PAGES: 212

(including 182 pp. specification, 29 pp. claims, and 1 pg. abstract)

- Descriptive Title of the Invention (Cover Sheet – 1 pg.)
- Priority Information
- Government Support
- Background of the Invention
- Summary of the Invention
- Definitions
- Brief Description of the Drawing
- Detailed Description of the Certain Exemplary Embodiments of the Invention
- Treatment Kit
- Equivalents
- Exemplification
- Claim(s) (29 pp.)
- Abstract of the Invention (1 pg.).

4) ☒ **Drawing(s)** (35 U.S.C. § 113)

TOTAL SHEETS: 78

a) ☒ Formal Drawings (if checked)

5) ☐ **Oath or Declaration**

TOTAL PAGES: \_\_\_\_\_

a) ☐ Newly Executed (original or copy)

b) ☐ Copy from a prior application (37 C.F.R. § 1.63(d))-for  
continuation/divisional application

c) ☐ Unexecuted

6) ☐ **Application Data Sheet.** See 37 CFR 1.76.

7) ☐ **CD-ROM or CD-R in duplicate, large table or Computer Program  
(Appendix)**

8) ☐ **Nucleotide and/or Amino Acid Sequence Submission** (if applicable, all are  
necessary)

- a) ☐ Computer Readable Form (CRF)
- b) ☐ Specification Sequence Listing on:
  - i) ☐ CD-ROM or CR-R (2 copies); or
  - ii) ☐ Paper ( pages)
- c) ☐ Statements verifying identity of above copies
- d) ☐ Amendment Introducing Sequence Listing

B) ACCOMPANYING APPLICATION PARTS:

- 9) ☐ Assignment Papers
- 10) ☐ 37 C.F.R. § 3.73(b) Statement
- 11) ☐ Power of Attorney;
- 12) ☐ English Translation Document (if applicable)
- 13) ☒ Information Disclosure Statement (IDS)/PTO-1449 (3 pp.)
- 14) ☒ Statement Under 37 C.F.R. §§ 1.56, 1.97 and 1.98 (6 pp.);
- 15) ☒ Copies of IDS Citations (4 citations);
- 16) ☒ Return Receipt Postcard (MPEP 503) (specifically itemized)
- 17) ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
- 18) ☐ OTHER: (if applicable, specified below)

C) FOR CONTINUING APPLICATIONS: (the appropriate box is checked, and certain information is provided below and in a preliminary amendment)

☐ CONTINUATION      ☐ DIVISIONAL      ☒ CONTINUATION-IN-PART (CIP)

OF PRIOR APPLICATION NO:	10/144,316
FILED:	MAY 9, 2002
EXAMINER:	NYA
GROUP/ART UNIT:	1614

FOR CONTINUATION OR DIVISIONAL APPLICATIONS ONLY: THE ENTIRE DISCLOSURE OF THE PRIOR APPLICATION, FROM WHICH AN OATH OR DECLARATION IS SUPPLIED AS DETAILED ABOVE, IS CONSIDERED A PART OF THE DISCLOSURE OF THE ACCOMPANYING CONTINUATION OR DIVISIONAL APPLICATION AND IS HEREBY INCORPORATED BY REFERENCE.

D.) PRIORITY CLAIM(S):

This application claims the benefit under Title 35, United States Code, §120 of any United States application(s) or PCT international application(s) designating the United States of America listed below:

10/144,316	May 9, 2002	Pending
Application Number	Filing Date	Status

PCT Applications designating the United States:

Application Number	Filing Date	Status
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This application claims the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

Provisional Application(s):

60/289,850	May 9, 2001	Expired
Application Number	Filing Date	Status

E) METHOD OF PAYMENT OF FILING FEES FOR THIS APPLICATION:

       Applicant claims small entity status 37 CFR §1.27

  X   A check in the amount of **\$2,924.00** enclosed to cover filing fees

  X   The Commissioner is hereby authorized to charge filing fees or credit any overpayment to Deposit Account Number 03-1721.

Basic Filing Fee ( <b>LARGE</b> Entity)	\$750.00
Additional Fees:	
Total Number of Claims in excess of 20: (113 - 20) = 93 x \$18	\$2,034.00
Number of Independent Claims in excess of 3: (- 3) x \$42	\$ .00
Multiple Dependent Claims - YES (\$): \$280	\$280.00
<b>Total Filing Fee:</b>	<b>\$3,064.00</b>

F) CORRESPONDENCE ADDRESS:

X Customer Bar Code Label: \_\_\_\_\_

X Correspondence Address:

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Choate, Hall & Stewart  
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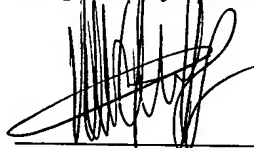
G) GOVERNMENT SUPPORT:

THE INVENTION WAS MADE BY AN AGENCY OF THE UNITED STATES GOVERNMENT OR UNDER A CONTRACT WITH AN AGENCY OF THE UNITED STATES GOVERNMENT:

\_\_\_\_\_ NO

X YES, THE NAME OF THE U.S. GOVERNMENT AGENCY AND THE GOVERNMENT CONTRACT NUMBER ARE : GM38627 – NATIONAL INSTITUTES OF HEALTH; AND PREDOCTORAL FELLOWSHIPS FROM THE NATIONAL SCIENCE FOUNDATION.

Respectfully Submitted,



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Nadège M. Lagneau, Ph.D.  
Reg. No. 51,908

Dated: July 17, 2003

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